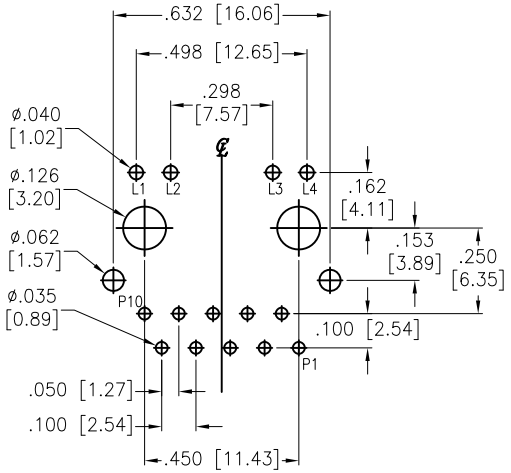
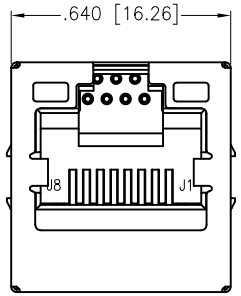
APPROVED: _____

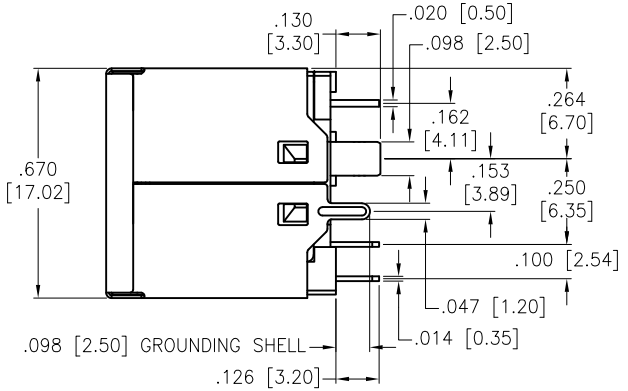
DATE: _____ TITLE: _____

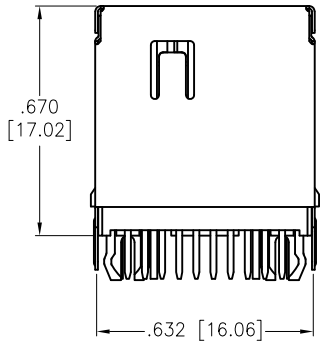
Rev	AWO #	Description	Date	Appr
-		RELEASED	7/3/19	

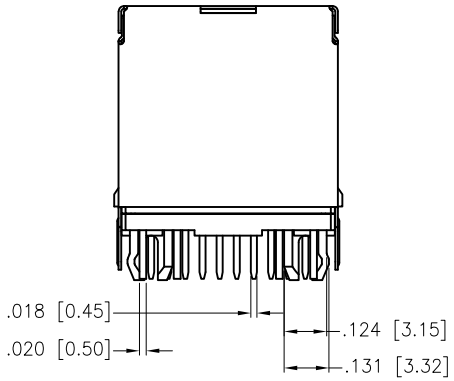


RECOMMENDED PCB LAYOUT

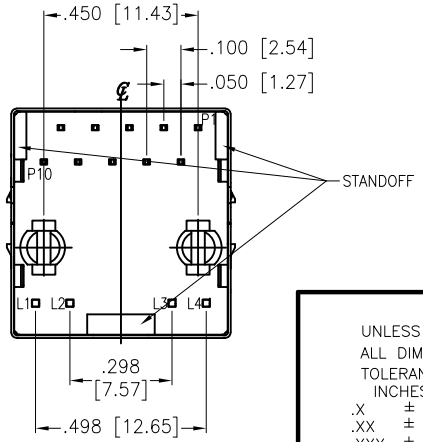








BACK VIEW



SPECIFICATIONS:
Material:
Housing: Thermoplastic, rated UL 94V-0, Color: Black
Spacer: High-Thermoplastic, rated UL 94V-0, Color: Black
Contacts: Phosphor Bronze
Solder tail: Brass, Tin over Nickel plated
Shield: Stainless, Pre-Soldering
Contact Plating:
Plating:
Round contact
Gold over Nickel underplate overall
Flat contact
Gold over Nickel underplate on contact area,
Tin over Nickel underplate on solder tails
Electrical:
Insulation resistance: 500 Mohms min
Dielectric withstanding voltage: 1,500 VAC or 2,250 VDC for 1 minute
Temperature Rating:
Operating temperature: 0°C to +70°C
Environmental:
Lead free, RoHS compliant.

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
.XXX	± .015	Ø.XXX	±.010

APPROVALS		DATE
DRAWN	AY	7/3/19
CHECKED	RT	7/3/19
APPROVED		

ADAM TECH INTERCONNECTS
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE
MODULAR TELEPHONE JACK, 8P8C
TOP ENTRY, PCB, FULL SHIELD

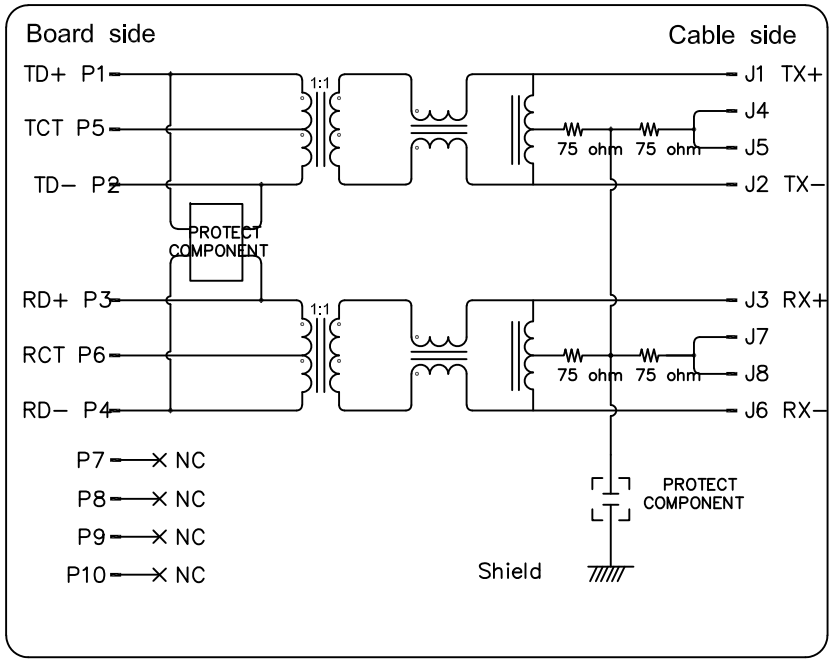
SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-L29-M371Y	-

REF: S00101C | SCALE: NTS | SHEET 1 OF 2

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

APPROVED: _____

DATE: _____ TITLE: _____



1. INSERTION LOSS :
- 1~100 MHz −1.0dB MAX

2. RETURN LOSS(LOAD 100Ω) :
- 1~30 MHz −18dB MIN
- 30~60 MHz −16dB MIN
- 60~80 MHz −12dB MIN

3. COMMON MODE REJECTION
- 1~100 MHz −30dB MIN

4. CROSS TALK
- 1~100 MHz −30dB MIN

5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
- (P1−P2),(P3−P4) : 350 uH MIN

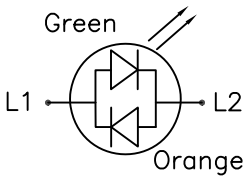
6. DCR
- (J1−J2),(J3−J6): 1.2 Ohm MAX

7. HI−POT TEST
- BOARD SIDE TO CABLE SIDE :
  1500VAC 60S OR 2250VDC 60S

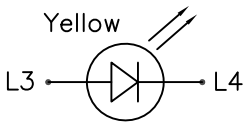
8. TURNS RATION 100KHz
- (P1−P2) : (J1−J2) = 1:1 ±%3
- (P3−P4) : (J3−J6) = 1:1 ±%3

9. ESD PROTECTION:
- IEC 61000−4−2 (ESD) 15KV(Air), 8KV(Contact)

10. SURGE PROTECTION :
- IEC 61000−4−5 (Lightning) 12A(8/20uS)
- Line to Line: 1KV Line to Ground: 4KV



LEFT LED



RIGHT LED

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
.XXX	± .015	Ø.XXX	±.010

APPROVALS		DATE
DRAWN	AY	7/3/19
CHECKED	RT	7/3/19
APPROVED		

ADAM TECH INTERCONNECTS
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE
MODULAR TELEPHONE JACK, 8P8C
TOP ENTRY, PCB, FULL SHIELD

SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-L29-M371Y	-

REF:	SCALE:	SHEET
S00101C	NTS	2 OF 2